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wherein said plurality of power amplifiers are disposed corresponding to the plurality of ink jet head units, said plurality of power amplifiers supplying a drive waveform signal that is input from said drive waveform signal generating circuit to said plurality of power amplifiers through said plurality of flexible flat cables so as to drive the plurality of ink jet head units.

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7. (Twice Amended) A piezoelectric element driving method for driving a plurality of piezoelectric elements disposed in a plurality of ink jet head units, each of which has a plurality of power amplifiers for driving the plurality of ink jet head units, a plurality of flexible flat cables for connecting the plurality of ink jet head units and said plurality of power amplifiers, and a drive waveform signal generating circuit for supplying a drive waveform signal to the plurality of ink jet head units, the method comprising the steps of:

driving the plurality of power amplifiers so as to amplify the drive waveform signal; and

causing the plurality of ink jet head units to spray large ink droplets, middle ink droplets, or small ink droplets corresponding to the drive waveform signal that is output from the drive waveform signal generating circuit,

wherein when the small ink droplets are sprayed, the time constant of the plurality of power amplifiers that are driven allows the number of piezoelectric elements that are simultaneously driven to become maximum.

8. (Amended) The method as set forth in claim 7,

wherein the time constant of the plurality of power amplifiers that are driven is equal to or smaller than a predetermined value of which all the plurality of piezoelectric elements are driven in the case that all outputs of a latch circuit that latches an output of a data serial parallel converter of each of the plurality of head units are turned on and all switches connected to all the piezoelectric elements are turned on.

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